ROTHSCHILD EXPERT'S GUESS.

Production of 1905, as Shown by Copper Handbook Advance Sheets, Sure to Be Exceeded in 1906—Rich Strike Near

1903 a copper expert connected with the Rothschilds, who is a man of long experience and

good judgment, predicted that the ultimate productive capacity of the Lake Superior district would be reached with an output of about 215,000,000 pounds of fine copper

yearly. Within two years from the date this prediction was made the lake mines were

turning out copper at the rate predicted, and for 1905 the output was more than 6 per cent. greater. Not only this, but the 1906 output will probably again show a gain, not-

crippling of the Tamarack mine by a stub-

of the small amount of seventy-five tons, listed under the title "miscellaneous," being reported directly by the producers. The figures of the Calumet and Hecla vary from

previous figures published, for the reason that the fiscal year of the Calumet and Hecla

does not end with the calendar year, in ad-dition to which the company reports its an-

for the estimated copper contained in the mineral produced, while the other gives actual production of refined copper. In this

of fine copper produced. This is the table, for purposes of comparison the products

Pounds Avoirdupois.

of the preceding year being given also:

Calumet and Hecla.....

Quincy.
Tamarack....
Champion....
Baltic.
Trimountain...

the closing down of the Phoenix mine.

Helena-New Discoveries in Utah. HOUGHTON, Mich., Sept. 8.-As recently as

GEORGE W. PERKINS,
J. P. Morgan & Co., Bankers, N. Y.
WILLIAM H. PURTER,
Pres. Chemical National Bank, N. Y.
DANIEL G. REIB,
Vice-Pres. Liberty National Bank, N. T.
FRANCIS H. SKELBING,
Pres. First National Bank, Pittsburgh,
EDWARD F. SWINNEY,
President First National Bank, Kansas City,
JOHN F. THOMPSON,
Vice-President.

T.W. LAMONT 270 V.P

BANKERS TRUST COMPANY

7 WALL STREET, NEW YORK. CAPITAL, \$1,000,000 SURPLUS, \$500,000 UNDIVIDED PROFITS, \$655,661

STEPHEN BAKER,
Pres. Bank of the Manhattan Co., N. T.
SAMUEL G. BAYNE,
Pres. Seahoard National Bank, N. T.
JAMES G. CANNON,
PROS. Press FOURTH NATIONAL BANK, N. T. Vice-Pres. Fourth National Bank. N. T.

BENRY P. DAVISON.
Vice Pres. First National Bank, N. T. Vice Pres. First National Bank, N. Y.
JAMES H. ECKELIS,
Pres. Commercial National Bank, Chicago,
WALTER E. FIREW,
Vice Pres. Corn Exchange Bank, N. Y.
A. BARTON HEPBURN,
President Chase National Bank, N. Y.
THOMAS W. LAMONE,
2d Vice-President.

2d Vice President. 2d Vice President. GATES W. McGARRAH. GATES W. McGARRAH. President Mechanics National a PDGAR L. MARSTON, EDGAR L. Bankers, N. Y.

JOHN F. THOWPSON,
Vice-President.
GH-BERT G. THORNE.
Vice-Pres. National Park Bank, N. Y.
ALBERT H. WIGGIN,
Vice-Pres. Chase National Bank, N. Y.
RORERT WINSOR,
Kidder, Peabody & Co., Bankers, Boston
SAMUEL WOOLVERTON,
Pres. Gallatin National Bank, N. Y.
EDWARD F. C., YOUNG,
Pres. First National Bank, Jersey City. Acts as Executor, Administrator and Geardian; Assignee and Receiver; Registrar, Transfer and Fiscal Agent and as Trustee for Individuals and Corporations.

ALLOWS INTEREST UPON DEPOSITS. E. C. CONVERSE, President

J. F. THOMPSON, V. P. D. E. POMEROY. Treas. H.W. DONOVAN. ASSE Tr.

B. STRONG Jr. Sec, F. N. B. CLOSE, Asst Tr Off BANK REPORTS. BANK REPORTS. REPORT OF THE CONDITION OF THE FIFTH NATIONAL BANK.

THE FIRST NATIONAL BANK, At New York, in the State of New York, at of business September 4, 1906;
RESOURCES.
Loans and discounts.
Overdrafts, secured and unsecured.
U. S. bonds to secure U. S. deposits.
U. S. bonds to secure U. S. deposits.
U. S. bonds to hand.
Bonds, securities &c.
Banking house, furniture and flatures.
Due from national banks (not reserve agents) T NEW YORK CITY, IN THE STATE OF NEW YORK, AT THE CLOSE OF BUSINESS, SEP-TEMBER 4TH, 190% RESOURCES. und reserve agents

Due from State Banks
and bankers

Checks and other cash \$1,143,051 50 82,452 19 344,510 86 Exchanges for Clearing House 19.188,167 16 Redemption fund with U. S. Treasurer

Redemption fund with U. S. Treasurer (5% of circulation)... Due from U. S. Treasurer, other than 5% redemption fund... LIABILITIES. \$121,357,047 60 ... \$10,000,000 00 15,000,000 00 irplus fund...
idivided profits, less expenses and lakes paid... National bank notes outstanding 2,885,048 86
National bank notes outstanding 5,646,000 00
Banks 31,082,845 51
Bankers paid 2,885,048 86
Bankers paid 2,885,048 86

2,885,048 86
Bankers paid 2,885,048 86

2,885,048 86

2,885,048 86

2,885,048 86

2,885,048 86

2,885,048 86 Due to State Banks and Bankers 2,499,441 40 Due to Trust Companies and Savings Banks 13,404,750 97 Dividends unpaid 1,293 78 Individual deposits subject to check 33,156,442 09 Demand certificates of deposit 106,108 23

deposit... Certified checks... Cashler's checks outstand-Cashler's checks outstand-ing 2,258,385 41 United States deposits 605,000 00 87,333,819 19

Correct—Attest:
FRANCIS L. HINE,
J. PIERPONT MORGAN,
GEO. F. BAKER, JR.,

RESOURCES. Loans and discounts Overdrafts, secured.
U. S. bonds to secure circulation..... ds and securities .. Banking house. Due from national banks (not reserve | agents | a Awful money reserve in bank, viz.:
Specie. \$3,337,560 00
Legal tender notes. 1,770,200 00

5,167,769 00 Redemption fund with U. S. Treasurer 6% of circulation)...
Due from U.S. Treasurer, other than 6% redemption fund... LIABILITIES,\$35,025,068 36 Capital. \$3,000,000 00
Surplus fund \$2,000,000 00
Undivided profits, less expenses and takes paid. \$91,133 13
Netional bank notes outstanding. \$49,300 00
Due to other national banks. \$18,231,627 96
Due to State banks and \$25,200,794 48
Due to trust companies and savings banks \$1,209,794 48
Due to trust companies \$1,607,298 27
Dividends unpaid \$7,306 00
Individual deposits subject to check \$6,878,220 40
Demand certificates of \$6,878,220 40
Demand certificates of \$6,878,220 40
Demand certificates of \$6,878,200 40
Accepted checks \$5,304,066 03
Cashler's ehecks outstanding \$709,719 40

served for taxes\$35,025,058 36 State of New York, County of New York, ss.:
I. CHARLES H. PATTERSON, Cashier of the above named bank, do solemnly swear that the above statement is true to the best of my knowledge and belief. CHARLES H. PATTERSON, Cashier. Subscribed and sworn to before me this 7th day of September, 1806. R. A. PIPER, Notary Public.

JAMES G. CANNON, CORNELIUS N. BLISS, WM. S. OPDYKE, DIVIDENDS AND INTEREST.

REPUBLIC IRON & STEEL COMPANY. DIVIDEND NO. 22.

Is dividend of One and Three-Quarters by dividend of One and Three-Quarters by the prierred stock of this Compended acclared and an additional dividend recent on deferred dividend account ordered paid. Dividends are payable 1806, to stockholders of record at close to Sentember 17th, 1906.

usiness on September 17th, 1906, the pirpose of this dividend, and of the lai meeting to be held on October 17th, 1906, transfer books of the Company, both common preferred, will close at 3 o'clock P. M., Septem-17th, 1906, and reopen at 10 o'clock A. M. on ober 18th, 1906. H. L. ROWND, Secretary.

stock.
A quarterly dividend of One and one quarter per cent. (1435: upon the preferred stock of this Company has been declared, payable Monday, October is, 1996. to stockholders of record at the close of business on Monday, Sept. 10th, 1906.
For the purpose of such dividend, the transfer books will close at 3 P. M. on Monday, Sept. 10th, 1908, and reopen at 19 o'clock on Monday, Oct. 1st. H. M. FISHER, Secretary.

Twin City Rapid Transit Company.

referred stock of the Company, fter October 1st, 1906, to Stock at the close of business Septem-the office of The Farmers' Loan stry. Nos. 16-22 William Street, Dividend checks will be mailed the have filed orders. E. S. PATTEE, Secretary.

COPPER RANGE CONSOLIDATED COMPANY FREDERIC STANWOOD, Treasurer.

FINANCIAL AND COMMERCIAL.

| High-cst est | 100 Reading 2d pf | 93 | 93 | 93 | 22300 Rock Island | 100 Rock | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 2900 Sloss-Saeffield ... 79 761/2 900 StL&SanFran1stpf 65 849/4 2000 StL&SanFran 2d pf 451/4 45 2000 St Louis Southw ... 251/2 2100 St Louis Southw pf 613/4 501/4 200 St Paul & Omahapfiss 187 200 St Paul & Omahapf185 187 189400 Southern Pacific... 9274 9034 1100 Southern Pacific pf1834 11734 24000 Southern Railway. 38!4 1800 Southern Railw pf. 100 300 Tenn Coal & Iron... 150% 19900 Texas Pacific...... 25% 1000 Tol St L & W...... 23% 1000 Tol St L & W pf.... 53 880 Twin City R T 11514 5600 Union Bag & Paper 814 2700 Union Bag & Pa pf - 7014 753300 Union Pacific.....195% 189% 800 Union Pacific pf.... 95 / 94 500 U S Cast Iron Pipe. 475 400 U S Express...... 135 200 U S Realty & Imp. 75 2300 U S Realty & Imp. 75 2300 U S Red & Ref. ... 37 1700 U S Red & Ref pf. 7816 4700 U S Rubber ... 48 2900 U S Rubber 1st pf. 108)6 208)6 545300 U S Steel 4796 4596 44400 U S Steel pf. 108 108)6

THE OUTSIDE MARKET.

week were as follows: 44465 British Col Copper. 1036 4370 Boston Con Cop..... 2936 3590 Butte Coalition w L. 3314 200 Butte & London 134 6500 Butte C & Zinc 7 14050 Cumberland Ely ... 976 100 Central Poundry ... 454 9200 Chicago Subway ... 5854 550 Con Refrigerator... 5 700 Dolores Ltd...... 8% 460 Electric Vehicle pf.. 1814 9025 Furnace Creek Co... 314 2400 Giroux Copper..... 7 14250 Gold Hill Copper.

1,706 94

Cashter's checks out-standing 90,058 47 United States deposits 45,000 00

California Copper Co. Stockholders of this company are requested to communicate with

F. L. UNDERWOOD, Pres., N. Y. CITY.

REPORT OF THE CONDITION OF THE FOURTH NATIONAL BANK OF THE CITY OF NEW YORK.
AT THE CLOSE OF BUSINESS SEPTEMBER 4. IMPORTERS & TRADERS NAT'L B'K. J. A. MORRILL.

5 Nassau Street. Telephone 1829 Rector.

PUBLIC NOTICES.

NOTICE TO TAXPAYERS.

Department of Finance Bureau for the Collection of Taxes, New York, September 3, 1908.

TAXPAYERS WHO DESIRE TO OBTAIN their bills promptly should make immediate written requisition (blanks may be procured in the borough offices), stating their property by section or ward, block and lot or map number, making copy of same from their bills of last year.

If a taxpayer is assessed for personal tax, the requisition should also request bill for such tax. Each requisition should be accompanied by an envelope bearing the proper address of the applicant, and with return postage prepaid.

In case of any doubt in regard to ward, section block or lot number, taxpayers should take their deeds to the Department of Taxes and Assessments and have their property located on the maps of that Department and forward to the Deputy Receiver of Taxes with the requisition a certified memorandum of their property, which will be furnished by the Department of Taxes and Assessments.

Taxpayers in this manner will receive their bills returned by mail at the earliest possible moment

certified memorandum of their property, which will be furnished by the Department of Taxes and Assessments.

Taxpayers in this manner will receive their bills returned by mail at the earliest possible moment and avoid any delay caused by waiting in lines, as required in case of personal application.

The requisition must be addressed and mailed to the Deputy Receiver of Taxes in whichever borough the property is located, as follows:

John J. McDonough, No. 57 Chambers street.

Borough of Manhattan, New York.

John B. Underhill, corner Third and Tremont avenues, Borough of The Bronx, New York.

James B. Bouck, Municipal Building, Borough of Brooklyn, New York.

George H. Creed, corner Jackson avenue and Fifth street, Long Island City, Borough of Queena, New York.

John De Morgan Borough Hall, St. George.

Staten Island, Borough of Richmond, New York.

After receiving the bills, the taxpayer will see that they are properly rebated, then draw check for the net amount to the order of the Receiver of Taxes and mail bill and check, with an addressed envelope, with the return postage prepaid, to the Deputy Receiver in whichever borough the property is located.

Checks should be mailed as soon as possible after the bills have been received by the taxpayer, All bills paid during October must be rebated before payment.

DAVID E. AUSTEN.

Receiver of Taxes.

DAVID E. AUSTEN. Receiver of Taxes. WANTED for U. S. Army; Able-bodied unmar-ried men between ages of 21 and 35; citizens of United States, of good character and temperate habits, who can speak, read and write English. For information apply to Recruiting Officer, 25 3d av., 2360 3d av., 749 6th av., 2306 8th av., 36 Park row, 79 Cortlandt st., New York; or 368 Fulton st., Brooklyn.

SUMMONS

SUPREME COURT, NEW YORK COUNTY, DARNA J. DENSMORE and ROBIN DALE COMPTON, Plaintiffs, against HENRY JONES THADDPUS, Defendant-Summons

To the above named defendant:
You are hereby summoned to answer the complaint in this action, and to serve a copy of your answer on the plaintiffs attorney, within twenty days after the service of this summons, exclusive of the day of service; and in case of your failure to appear or answer, judgment will be taken against you by default for the relief demanded in the complaint.

Dated July 5th, 1908.

CLAUDK GIGNOUX.

Attorney for Plaintiffs,
Office and Post Office address, No. 52 Broadway,
Borough of Manhattan,
New York City.

To the Defendants Henry Jones Thaddeus:
The foregoing summons is served upon you by publication, pursuant to an order of the Honorable Leonard A, Giegerich, a Justice of the Supreme Court of the State of New York, dated the first day of August, 1906, and filed with a copy of the complaint (the original aumnons and compistant having been filed in the office of the Clerk of the County of New York, at the County Court House in said County, in the forough of Manhattan, City of New York, on the 3rd day of August, 1906.

Dated New York, August 3rd, 1906.

CLAUDE GIGNOUX.

August, 1906.
Dated New York, August 3rd, 1906.
CLAUDE GIGNOUS,
Autorney for Plaintiffs.
Office and Post Office address, No. 52 Broadway,
Borough of Manhattan,
New York City.

Hy Marconi Wireless. Ss Kalser Wilhelm II., bound for New York, was 100 miles east of Cape Race at 7 o'clock yesterday morning.

NS Minneapolis, bound for New York, was 130 miles east of the Nantucket lightship at 2:15 o clock yesteriay afternoon

85/6 + 36 78/6 + 1/6 65 - 36 45 - 16

Transactions in the outside market during the Franklin
Atlantic
Isle Royale.
Michigan
Mass.
Adventure
Ahmeek
Centennial
Phænix
Winona
Miscellaneous. 4655 Granby Copper.... 1216 8422 Greene Con Cop..... 2434 218 Greene Con Gold 214 2925 Greene Gold-Silver. 2 2300 Guanajuato Mining. 514

9210 Havana Tobacco.... 16 1200 Havana Tobac pf... 83

370 Inter Mer Marine... 11

118000 Allis Chalmers 5e w 1 8174 82 8000 Am Writing Pap 5e 8514 8514 184000 Am Steel Foun 6s 92% 94 2000 Am Maiting 6s 103 108 2200 Central Foundry 6s 77 8000 In Mer Marine 419s 7714 70000 St Oordage 1st 5s 70 70 28600 St R & Tw adj 2d 5s 32 32 21000 West'e 5s rpts w 1 9954 9654

MARINE INTELLIGENCE.

MINIATURE ALMANAC THIS DAY.

Sun rises.....5:31 Sun sets.......6:15 Moon rises. 10:53

HIGH WATER THIS DAY.

andy Hook 11:40 Gov. Island. .12:12 Hell Gate. ... 2:05

Arrived-SUNDAY, Sept. 9.

Grodus, Libau, Aug. 25.
Carpathla, Naples, Aug. 27.
Ponce, Gulanica, Aug. 29.
Grenada, Port Spain, Sept. 1.
Manna Hata, Baltimore, Sept. 7.
City of Philadelphia, Baltimore, Sept. 7.
St. Helens, Baltimore, Sept. 7.
Hamilton, Norfolk, Sept. 8.

ARRIVED OUT.

Sa Minnetonka, at London from New York.
Sa United States, at Christiansand from Ss Slavonia, at Naples from New York. Ss Gerty, at Naples from New York.

SAILED FROM FOREIGN PORTS. Barbarossa, from Bremen for New York. Heilig Olav. from Christiansand for New York.

Sail To-day.

Sall Wednesday, Sept. 12.

INCOMING STRAMSHIPS.

Due To day.

Due To-morrow

Court Calendars This Day.

calendar called at 10.30 A. M. Part II.—Ex parte
matters.
Surrogates' Court—Chambers.—Court opens at
10:30 A. M. For probate—Wills of Daniel McAdams,
Francis A. Milligan, Gluseppe Capatosta, Emmeline
W. Pitch, Martin L. Hunter, Blizabeth Chieman,
William E. Deam, at 10:30 A. M.: Eudora Jacason,
Lucretia Morris, Gesine Brutt, Lovina R. Gerken,
at 2:30 P. M.
City Court—Special Term.—Court opens at 10
A. M. Motions.

Supreme Court. Appellate Division Recess.
Supreme Court. Special Term. Part I. Motion alendar called at 10:30 A. M. Part II. Ex parte

Liverpool.

Sept. 1 Sept. 4 Aug. 39 Sept. 6

Kaiser Wilhelm der Grosse,
Bremen. 6 30 A M
Caronia, Liverpool.
Armenian, Liverpool. 11 30 A M
Panama, Colon. 11 30 A M

Oceanic, Liverpool....... 8 30 A M Bermudian, Bermuda..... 9 00 A M Alieghany, Hayti..... 11 00 A M Rauma, Buenos Ayres.... 1 00 P M

Armenian, Liverpool.
Panama, Colon.
Uller, St. Kitis.
Manuel Caivo, Vera Cruz.
Apache, Charleston.....
City of Atlanta, Savannah

Teutonic... Koenigin Luise...

500 Mong Sho Con 121/2 6400 Mines Co of Am. ... 1.22 Calumet and Hecla will have a stamping capacity of at least 125,000,000 pounds of fine 2900 Mackay Cos. 2740 Mackay Cos pf..... copper yearly and the mines are amply able to supply rock to the full capacity of the 7350 Manhattan Transit.. 3% 2580 Mitchell Mining.... 514 3000 Nevada Utah...... 4½
56320 Nipissing Mines Co. 8%
5850 Newhouse M & S.... 7
700 Nevada Goldfield... 12% 000,000 pounds of the copper in any year since 1902, and the Anaconda of Montana is the 1920 N Y Elec Stor Bat... 5 2250 Nevada Con Min.... 18 only mine that ever has made that amount in any year. Production of the Anaconda reached or exceeded 100,000,000 pounds yearly 2100 N Y Transportation 5% 5% 39 Northern Sec stubs 26214 26214 30 Otis Elevator..... 60 60 3400 Phoenix Sec...... 194 254 10 Pope Man 1st pf... 69 69 for seven consecutive years, from 1896 to 1902, inclusive, with a high water mark of 131,471,127 pounds in 1897. It is probable that both the Calumet and Hecla and Ana-700 Penh & Cananea ... 814 314 382 Standard Cordage .. 15 15 24 Standard Otl ... 605 606 conda will exceed 100,000,000 pounds for the

Among the other Lake producers Osceola showed a small falling off, due to a combination of adverse factors, and led Quincy by the narrow margin of 100,000 pounds, the latter making a gain of nearly half a million pounds over the previous year. Tamarack gained nearly a million pounds, but will show a sad falling off for 1906. Champion led all the mines of the district, except Calumet and Hecla, in increase, with a gain of two and a half million pounds, followed closely by Baltic, with a gain of upward of two million pounds. Both of these are young and vigorous mines. Trimountain, the third of the Copper Range mines, gained only a quarter

million pounds, but is improving steadily.

MONTANA.

MONTANA.

HRIENA. Sept. 6.—A rich copper strik is reported in the property of the Red Bird company, tweive miles west of Helena. The stock of the company is held chiefly in Helena, with big blocks in Boston and New York. The property has been idle for some time up to five months ago. Prior to its closing down the company paid dividends of \$60,000. It was developed by a resident of this city and was worked originally as an iron property, the output being used as a flux at the East Helena smelter. With depth copper was found, but in streaks. Finally it was closed down. A new management secured control five months ago, abandoned the old workings and has now struck a four foot vein which averages 13.6 per cent. copper—a high grade. The force is to be increased and regular shipments made to the smelters.

During the week Secretary of State Yoder received two very large incorporation fees in connection with the filing of articles of incorporation of the Pittsburg and Montana corporation, with a capital of \$10,00,000. Both purpose operating in the Butte district. The fees were \$3,195 and \$1,285, respectively.

While the second dam across the Missouri River near here is only nearing completion and will develop 25,000 horse-power, that of the first dam being about 15,000, preliminary steps have just been taken which insure the building of still another across the stream near Helena, for the avowed purpose of developing power for mines in this vicinity and Butte.

The Capital City Improvement Company of Helena has filed in the United States land million pounds, but is improving steadily. MONTANA.

and Butte.
The Capital City Improvement Company of
Helena has filed in the United States land

MINING. MINE PUMPS.

STATION AND SINKING MINING PUMPS.
THE SLOGAN OF THE CAMERON—
"CHARACTER THE GRANDEST THING.
Over 40,000 CAMERON pumps in daily satisfactory use all over the world give tangible proof of their merit and confirm the claim for their superiority over all others. They are conceded to be the most durable, reliable and effective mining pumps on the market to-day, and while often imitated are never equalled. For proof, inquire of any mining engineer; for the latest catalog "C" and prices, write any of our resident agents or direct to the S. CAMERON STEAM PUMP WORKS.

Established 1898 Specialists in Nevada Mining Securities

25 BROAD ST., NEW YORK 450 BULLITT BLDG., PHILA. "Great Cariboo." Largest high grade Drift Mining Gold Placer property in the world, owned by the Great Cariboo Gold Co. Twice consolidated by legislative acts. Situated in the home of the greatest auriterous igold gravel) deposits on earth—BillTISH CO-LUMBIA. Transfer Agents—THE STANDARD FINANCE COMPANY, 1136 Broadway, N. Y.

Geo. F. Shurtleff & Co. MINING INVESTMENTS,

BROAD STREET, . . . NEW YORK.

LAKE SUPERIOR REGION DWARFS

150,000 208,329,248 229,270,088 Analysis of the foregoing figures gives a

important of these is the great increase in gained nearly 20 per cent. in output, bringing this mine from fourth place in 1903 to first place in 1905 among the copper producers of the world. The increase in output by the Calumet and Hecla is due not mainly to smelting reserve mineral, as has been erroneously stated, but rather to a largely increased rate of production, rendered posalbie by the great increase in milling facili-ties. The work of reconstructing the stamp of the total future capacity of all three mills,

the tunnel. The City Rocas is producing steadily.

Ore and bullion settlements during the month of August in the local open market amounted to \$2,319,500, the best month of the year. Twelve mining companies paid \$183,000 in dividends during the month. The Daly-West's distribution of \$108,000 and the Consolidated Mecur's \$25,000 quarterly payments come this month.

The placing of machinery and equipment in the Utah Copper Company's new milling plant at Garfield has commenced and the management is sanguine of having the plant ready to run before the close of the year.

management is sanguine of having the plant ready to run before the close of the year.

IDAHO.

BOISES Sept. 5.—The smelter at the Lost Packer Company's property in the Loon Creek district, Custer county, was blown in during the week and went out of commission again at the end of a three hours run, an accident to the water jacket and consequent ruin of the furnace being the cause. During the three hours nine tons of copper-gold matte was turned out that had a value of over \$3,000. The short run demonstrated that the ore from the mine was so easy to smelt that, instead of having a capacity of fifty tons a day, the company's little smelter could be depended upon to treat 200 tons a day like a top. No attempt will be made to run the smelter again until next spring. A large force of men will be kept on development work at the property during the fall and winter.

T. J. & W. D. Greenough of Spokane have purchased the control of the Cepper King Mine; near Mullen, this State, on a basis of \$300,000 for the entire property.

On the 200 foot level of the Black Pearl property in the Pearl district twenty-five feet of \$12 to \$15 milling gold ore has been opened up in the west drift. Ten feet of the ore will average \$25 per ton. It has been penetrated for more than 100 feet. The strike is considered one of the most inportant ever made in the Pearl district.

An important strike is also reported from the Mattie mine in Boise Basin, a few miles out from Idaho City. Three feet of ore showing much free gold has been encountered but no assays have yet been had. The property is controlled by J. A. Lippincott and others.

The Dollarhide Company's property in the The Dollarnide Company's property in the Hailey district is producing at a rate that is demoralizing the company's system of operation. The mill is not large enough to handle the ore that the mine can provide and it is impossible to get teams to haul the concentrates to the railroad. Next spring

office in this city an application for the right companying documents show that ji will create a backwater in that stream for a distance of 3. Jan feet, or clear to the second and across, and it is estimated that it will develop a horse-bower of about 30.000.

Montana Company has closed down the West Colusa, has increased its layer of the control of the colusa hard for repairs. In the meanting the colusa hard for repairs. In the meanting of the will be seen to the second and montana Company has closed down the West Colusa, has increased its pay roll conjuderably, having over 8 on mean on the roll at present. To see the colusa hard for repairs in the meanting of the roll at the column of the town and is add to be in the main on the roll at the column of the shift down the shaft. The connections of the mines are, however, not such that much the shift down. The Montain View mines which opened up last week, will keep the company and the series of the shift down. The Montain View mines which opened up last week, will keep the company of the shift down. The Montain View mines which opened up last week, will keep the company and the series of the shift of the shif

seround of the two companies for several thousand rest in depth. The Alliance shall thousand rest in depth. The Alliance shall did not encounter the ore body until they appreciate its force with the company, and the company and the properties and discontres in some of the pider of the training country. The Alliance shall also the southern limit of the corper products country to the company has been series and discounter in some of the pider of the last few days in mining circles. The strike recorded in the Ultaki-Treasure lilly capital stock in one hump, with lively hidding of the training proofs that, the company has been corpused to the corper of the training proofs about the working, and that the poorest of it will above a value market value of 80 to 25. The company of the property has been corpused to a depth of only 20 feet from the surface, and that the poorest of it will above a value market value of 80 to 25. The company of the property has been corpused to a depth of only 20 feet from the surface, and that the poorest of it will above a value market value of 80 to 25. The company of the property has been corpused to a depth of only 20 feet from the surface, and that the poorest of it will above a value of the company of the property and the property an

weighing 500 pounds and valued at \$60,000 The mine was recently discovered in what was known as an agricultural district outside any known mineral zone. The Chicago capitalists who bought the

Red Oak Gold Mining and Milling Company's properties on Democrat Mountain, near Georgetown, will erect a mill of 100 tons daily capacity to treat the low grade ores. aerial tramway 6,100 feet long connects the mouth of the tunnel with the mill site. Probably \$3,000,000 worth of ore is exposed in the various workings, a good part of which is low grade and can be treated by cyanide.

DEADWOOD, Sept. 4.—An interesting placer find has been made by the Homestake company while working on McGovern Hill, in this city, excavating in connection with the slime plant which they are erecting. Realime plant which they are erecting. Recently the company has been taking out a large amount of gravel and washing it, preparatory to using it in the concrete work. This gravel after it has been washed yields good returns, sometimes as high as 50 cents a pan. It has always been known that there was an abundance of placer gold along this gulch, but the mill site on McGovern Hill lies so far above the water line that there was but little expectation of finding placer gold there in any quantity. It is now thought possible that an application will be put in to the Homestake company to allow sluice boxes to be put in and the ground to be thoroughly worked. So far no maggets have been discovered, although some of the gold is musually coarse.

The sixty ton stamp mill which the Safe Investment Company is erecting upon its ground near Nemo is approaching completion. Most of the machinery has arrived, and the boilers came a few days ago. The stamps are already hung and the company expects to make a test run before long. There is sufficient ore opened up to supply a mill of this capacity nearly 300 tons daily for a number of years, and the ore is all of a grade which it will pay to mill. A large amount of Illineis and Iowa capital is invested in this property.

MEVADA. cently the company has been taking out a

property. MEVADA.

is demoralizing the company's system of operation. The mill is not large enough to handle the one that the mine can provide and it is impossible to get teams to haul the concentrates to the railroad. Next spring the company will enlarge its milling plant.

NEVADA.

GOLDFIELD, Seft. 5.—Arrivals from Ely during the week reported that rail laying on the Nevada Northern had been resumed,

THE LAKE IRON REGION.

DULUTH, Minn., Sept. 6. - The Midland Steel Company of Pittsburg, which has taken over the Shagawa Iron Company's option on the famous section 30, Vermilion range, is employing several drills and a large number of men, and is sinking the shaft as fast as possible. The Shagawa option extends for nearly a year, and during that time the new holder will determine if the property is a large enough mine to permit it to pay \$750,000 as a bonus for a lease at 75 cents a ton. The statement that this company had taken the property definitely and paid the bonus is incorrect. This is the only independent company to operate on the Verhaving been by the United States Steel Corporation. The only railway ever likely to be built to this range is owned by the steel corporation, and the shipments from its

the second in size of the ships of that com-pany, took 10,000 gross tons of ere here a few days ago and discharged it at Conneaut in a trifle less than four hours. This is record time. The ship passed Detroit on the way to Conneaut, went the length of Lake Erie, was unloaded, started up for Duluth and reached Detroit again all in thirty-seven hours and forty minutes. The new ships of the Steel Corporation, Morgan, Perkins gross tons.

opened its line to the Western Mesaba range this week. No ore will be moved over the line this year, but arrangements are under way year. The line is 60 miles long and connects with the company's main line a short distance back of this city. It has cost about \$1,000,000 and next year's gross earnings will be at least \$1,200,000.

About 800 men are now on the payrolls of

the Oliver Iron Mining Company at the Mountain Iron mine. It is still sending out be very active for the remainder of the year.

ore at the rate of 15,000 tons a day, and will be very active for the remainder of the year.

Efforts are being made by independent ore buyers to get a price on iron ores for next year and place their orders now. But mining men are unwilling to sell at this time, arguing that they are unable to tell what the winter will show in the way of stocked ore, of labor or of demand. There is no question that prices will be advanced materially, but probably only about 25 cents for a standard, though the real advance may be more for most buyers will be unable to buy at the standard and will have to pay excess for special grades and deliveries. The indications are that a great many ore consumers will go into the winter with insufficient ores on hand to last them through to spring of 1907, and this will cause a scramble this fall. The sellers will be unable to profit by it except in occasional cases, as they are now soid up to their limits. Prices of ores of this year, which have been advanced materially in later purchases, are as follows: Old range bessemer, \$4.25 Mesaba bessemer, \$4.50. That was the price of 1903 and \$1 under that of 1900.

Shaft sinking at the Prince of Wales mine of the Oliver Iron Mining Company at Negaunee is progressing rapidly and is down to 400 feet. So far this work is all enlargement of the old shaft by cutting it six feet larger, but in about a week the bottom of the old shaft will be reached, when sinking will be in new ground. The Regent group, to which this mine belongs, was the scene of early labors of Thomas F. Cole, now so well known in copper and iron. It was at this mine that Mr. Cole introduced the balance hoist, one of the important steps in the economy of mining, and now in use everywhere.

The old Rolling Mill mine at Ishpeming, which is being got ready for renewed operations by its new owners, will be running in about a week with a large machinery plant. This mine is being developed on a big scale, with a large shaft, now almost 700 feet deep, and extensive drifts and lateral workin

PIG IRON GOING UP.

Rush to Get More Furnaces in Blast-Boom in Wrought Iron Results.

PITTSBURG, Pa., Sept. 9. - With the increasing of the owners of furnaces which are out of operation. There are quite a number of furnaces in the South and at least half a dozen in the North which are undergoing repairs and will be put to work before Oc tober 1. This additional tonnage will have much effect on existing prices, which are considered too high for the good of business.

It has always been the history of pig iron

that when prices were pushed up beyond a normal profit a deluge of pig iron was poured on the market and a decided slump followed. It is safe to say that if bessemer and basic pig iron reach \$19 to \$20 per ton at the furnaces there is going to be a reaction. There are scores of small furnaces all over the country that cannot be operated economically with pig iron around \$15 per ton, but at \$18 to \$20 they pay well on the investment.

The latest sales of bessemer pig iron were made at \$18.50, valleys. Basic pig is held at \$18.75, and the Northern output has been

entirely sold out with the exception of one furnace. With the starting of four furnaces

entirely sold out with the exception of one furnace. With the starting of four furnaces in the Chicago district an easier tone for both grades can be looked for.

The Southern iron makers are milking the market for all they can get out of it. There have been no restrictions on prices asked, and they have been getting them because they have the stock to sell. As a result Southern quotations, counting freight rates, are \$1 a ton higher than Northern quotations. Sales are large, and it is said that some Southern furnace have sold more from than they can deliver this year.

The Southern furnace owners have also taken the stand that they will not contract to deliver any pig iron during the first quarter of next year unless the buyer contracts for a similar amount for delivery during the second quarter. This action has caused many buyers to keep out of the market.

There have been a number of contracts placed for bessemer and basic iron in the North for delivery during next year at from \$18 to \$18.25 per ton. No restrictions have been made by Northern furnace owners. They expect to sell out their entire output for the first quarter of 1907 before the close of the year.

Owing to the strike of puddlers and finishers in the Eastern iron works and to an extra large demand merchant steel bars have increased from \$1.50 to \$1.65 and \$1.70 per hundred pounds. As a result much business is going to the producers of wrought iron. The Republic iron and Steel Company, the principal producer of the latter, has increased its quotation from \$1.50 to \$1.60 for iron bars, and one large contract was booked at \$1.65. The other iron makers will follow suit, as there is an excellent demand for wrought iorn bars. The plate mills of the country have booked over \$1.60 per hundred pounds. There is some talk of advancing the association price to \$1.70 per hundred pounds. There is some talk of advancing the association price to \$1.70 per hundred pounds. The coal shippers are only getting the sold part type than the old cars, yet this does not

The following is a list of referees appointed in cases in the Supreme Court last week: By Justice Dowling.

Referces. Lawyers Title lus & Trust

Lawyers Title Ius & Trust
Co. vs. Kellman. Isaac Phillips.
People & vs. N. Y. Bidg.
Loan & Banking Co. Thomas F. Conway.
N. Y. Lubricating Oil Co.
vs. Spence. Frederick J. Deitor.
Knox vs. Flood Co-st. Co. Thomas F. Gilroy. Jr.
Kirkner vs. Kirkner. James G. Graham.
Collins vs. Dorr. Moss S. Adler.
Matter of Botheim. George J. Gillespie.
Matter of Engel. John Reilly:
Emerson vs. Emerson. John N. Lewis.
Mayheld vs. Mayheld. Isaac F. Russell.
Matter of Anthon, Ave. John W. Russell.
Tumla vs. Foundation Co.S. Howard Cohen.
Betz vs. Prescost. Gustavus A. Rogers.
By Justice Newburger.
Cedar Street Co. vs. Wells
Realty & Const. Co. Abraham Benedics,
Rabell vs. Murphy. John H. Rogan. Issac Phillips.